CRISTAL WMS AutoEmail Service (AEServerNet) Installation Guide

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1. SERVICE REQUIREMENTS

1.1 Microsoft .NET Framework 4.0

The Microsoft .NET Framework 4.0 setup program is needed before Auto Email service can run. Please consult CRISTAL WMS administrator to get the setup file "dotNetFx40_Full_x86_x64.exe". Double click on the exe file to run the setup program.

2. SERVICE INSTALLATION

2.1. Installing the Service

The content of the 01_install_create.bat file is shown in Figure 1. Before installing the service, you must ensure that (1) the Registry_Name and (2) the AEServerNet path is correctly written on the bat file. In Figure 1, AEServerNet file is located at folder "CRISTAL", change the path according to where the file resides. Please consult CRISTAL WMS administrator about the registry name to supply. Once finish editing the path and registry name, save and close the file. To install AEServerNet service just double click on the 01_install_create.bat file.



When the service is successfully installed, you will see a DOS command message box shown in Figure 2. Just type any key to close the DOS command message box.





Figure 2

The AEServerNet service will also be shown in the Services list, which you can access from $Start \rightarrow Control Panel \rightarrow Administrative Tools \rightarrow Services$ as shown in Figure 3.

By default, the AEServerNet service is run automatically. That means it will auto start itself when Windows starts or reboots. It will start even if no user is present to logon to Windows.



🏶 Services					
File Action View Help	Service and service services of the				
Services (Local)	Name 🔺	Description	Status	Startup Type	Log On As
	Adobe Elash Player Undate Service	This service keeps your Adobe Elash Playe		Manual	Local System
	AEServerNET	CRISTALWMS		Automatic	Local System
	Application Layer Gateway Service	Provides support for 3rd party protocol pl	Started	Manual	Local Service
	Application Management	Provides software installation services suc		Manual	Local System
	ASP.NET State Service	Provides support for out-of-process sessio		Manual	Network Service
	Automatic Updates	Enables the download and installation of	Started	Automatic	Local System
	Background Intelligent Transfer Service	Transfers data between clients and server	Started	Manual	Local System
	🖏 Browser Manager		Started	Automatic	Local System
	ClipBook	Enables ClipBook Viewer to store informati		Disabled	Local System
	COM+ Event System	Supports System Event Notification Servic	Started	Manual	Local System
	🖏 COM+ System Application	Manages the configuration and tracking of		Manual	Local System
	Cryptographic Services	Provides three management services: Cat	Started	Automatic	Local System
	DCOM Server Process Launcher	Provides launch functionality for DCOM se	Started	Automatic	Local System
	Client DHCP Client	Manages network configuration by registe	Started	Automatic	Local System
	Spinistributed Link Tracking Client	Maintains links between NTFS files within a	Started	Automatic	Local System
	Bistributed Transaction Coordinator	Coordinates transactions that span multipl		Manual	Network Service
	Sign DNS Client	Resolves and caches Domain Name Syste	Started	Automatic	Network Service
	Error Reporting Service	Allows error reporting for services and ap	Started	Automatic	Local System
	Sevent Log	Enables event log messages issued by Win	Started	Automatic	Local System
	Extensible Authentication Protocol Service	Provides windows clients Extensible Authe		Manual	Local System
	Rest User Switching Compatibility	Provides management for applications tha	Started	Manual	Local System
	Health Key and Certificate Management S	Manages health certificates and keys (use		Manual	Local System
	🖓 Help and Support	Enables Help and Support Center to run o	Started	Automatic	Local System
	SSL 3	This service implements the secure hypert		Manual	Local System
	🖓 Human Interface Device Access	Enables generic input access to Human Int		Disabled	Local System
	MAPI CD-Burning COM Service	Manages CD recording using Image Maste		Manual	Local System
	indexing Service	Indexes contents and properties of files o		Manual	Local System
	References	Manages IP security policy and starts the		Automatic	Local System
	📲 🦓 Logical Disk Manager	Detects and monitors new hard disk drives	Started	Automatic	Local System
	🛛 🍓 Logical Disk Manager Administrative Service	Configures hard disk drives and volumes		Manual	Local System
	Microsoft .NET Framework NGEN v4.0.303	Microsoft .NET Framework NGEN		Automatic	Local System
	Microsoft Antimalware Service	Helps protect users from malware and oth	Started	Automatic	Local System
	Extended A Standard				

Figure 3

By default, the AEServerNet service is always run with the Local System account. In an Active Directory network, it may be necessary to run the service with a different Windows account. To do this, select the **"This Account"** option in the Log On tab if you want to change the Log On account settings. You need to supply the appropriate account credentials as shown in Figure 4. Please consult CRISTAL WMS administrator if need be about the credentials to supply.



cservernicit Propertie	s (Local Computer) 🛛 ? 🔀
General Log On Recove	ery Dependencies
Log on as:	
 Local System account 	
Allow service to inte	eract with desktop
◯ This account: [Browse
Password:	
Confirm password:	
You can enable or disable Hardware Profile	this service for the hardware profiles listed below: Service
Profile 1	Enabled
	Enable Disable

Figure 4

2.2. Starting the Service

To start the service, just double click on the 02_start.bat file. The content of the file is shown in Figure 5.





Figure 5

Once the 02_start.bat file runs successfully, you will see the DOS command message box as shown in Figure 6. Just type any key to close it. Figure 7 shows the Services list where AEServerNet is started.



Figure 6



🖏 Services							
File Action View	Help			1961	Maria and		
) 🗟 😭 🖬 🕨 🔳 💷	•					
Services (Local)	🌯 Services (Local)						
	AEServerNET	Name /	Description	Status	Startup Type	Log On As	
		By Adaba Clash Diana	This service because when		Manual	Lord Castron	
	Stop the service Restart the service	AEServerNET	CRISTALWMS	Started	Automatic	Local System	
	Kestart die service	.23 whiterion rates a	Provides support for and par	Janea	manuar	LOCAL DELVICE	
		Application Manage	Provides software installatio		Manual	Local System	
	Description: CRISTALWMS_logwin_eu	ASP.NET State Ser	Provides support for out-of		Manual	Network S	
		Automatic Updates	Enables the download and i	Started	Automatic	Local System	
		Background Intellig	Background Intellig Transfers data between clients and servers in the background. If BITS is disabled, features such as W				
		Browser Manager		Started	Automatic	Local System	
		ClipBook	Enables ClipBook Viewer to s		Disabled	Local System	
		COM+ Event System	Supports System Event Noti	Started	Manual	Local System	
		COM+ System Appl	Manages the configuration		Manual	Local System	
		Cryptographic Serv	Provides three management	Started	Automatic	Local System	
		COM Server Proc	Provides Jaunch functionalit	Started	Automatic	Local System	
		Chent Stand	Manages network configura	Started	Automatic	Local System	
		Distributed Link Tra	Maintains links hetween NTE	Started	Automatic	Local System	
		Conditional Transac	Coordinates transactions th		Manual	Network S	
	1	Ein				reserved with	

2.3. Stopping the Service

To stop the service, just double click on the 03_stop.bat file. The content of the file is shown in Figure 8. A DOS command message box is again shown. Type any key to close it. Once the AEServerNet is stopped, the **"Started"** status is missing from the Services list as shown in Figure 9. To

refresh the Services list if need be, just select menu Action \rightarrow Refresh.



Figure 8



Services							
File Action View	Help						
← → 💽 🚰 🖸) 🗟 😫 🖬 🕨 🔳 💷	•					
🎇 Services (Local)	🍇 Services (Local)						
	AEServerNET	Name /	Description	Status	Startup Type	Log On As	
	100 00 000	Constant Plant Plant	This can be be an unit of		Manual	Local Curbon	
	Stop the service Restart the service	AEServerNET	CRISTALWMS		Automatic	Local System	
	Kestart the service	Stamplication caysi a	Provides support for ordipar	Joanceu	manuar	LOCAL DELVICE	
		Application Manage	Provides software installatio		Manual	Local System	
	CRISTALWMS_logwin_eu	ASP.NET State Ser	Provides support for out-of		Manual	Network S	
		Automatic Updates	Enables the download and i	Started	Automatic	Local System	
		Background Intellig	Background Intellig Transfers data between clients and servers in the background. If BITS is disabled, fer				
		Browser Manager		Started	Automatic	Local System	
		ClipBook	Enables ClipBook Viewer to s		Disabled	Local System	
		COM+ Event System	Supports System Event Noti	Started	Manual	Local System	
		COM+ System Appl	Manages the configuration		Manual	Local System	
		Cryptographic Serv	Provides three management	Started	Automatic	Local System	
		DCOM Server Proc	Provides launch functionalit	Started	Automatic	Local System	
		CHCP Client	Manages network configura	Started	Automatic	Local System	
		Distributed Link Tra	Maintains links between NTF	Started	Automatic	Local System	
		Distributed Transac	Coordinates transactions th		Manual	Network S	
		Fig	ure 9				

2.4. Uninstalling the Service

To uninstall the service, just double click on the 04_uninstall.bat file. The content of the file is shown in Figure 10. When the service is successfully uninstalled, you will see the DOS command message box as shown in Figure 11. To close it, just type any key.

📮 04_uninstall. bat - Notepad		
File Edit Format View Help		
sc delete AEServerNET pause	~	
	~	

Figure 10





Figure 11

Once the AEServerNet is uninstalled, it will be removed from the Services list. To refresh the Services list if need be, just select menu Action \rightarrow Refresh.



3. SYSTEM CONFIGURATION

The following parameters used by AEServerNet service are resided in the WMS Desktop program. These parameters can be changed from the Administration \rightarrow System Configuration option in the WMS Desktop program as shown in Figure 12 and 13.

3.1. Auto Email Service Interval

Auto Email Interval – A number in seconds. This stores the number of seconds before the AEServerNet service polls the database tables for new record to process.

CRiSTAL Warehouse Manager	nent System (5.398.0 Build 745)			
system Favorites Inquiry Operation	ns Import / Export Stock Management Services Billing Report	s Basi	Accounting Customer Service Rem	ote Warehouse Passenger Control A
System Configuration				
Continue .	System Configuration		050110050	
System Configuration	Description		SERVICES	
UDE Parameters	ALL		Configuration Description	Configuration Value
RTI I TNG	AUTHORISATION		Interval - Auto Download Service (sec	onds) 22
CIP	BILLING		Interval - Auto Email Service (seconde	s) 600
CPM	EMAIL SETTING		Interval - Auto Upload Service (second	ds) 20
HRM	INBOUND			
OUTBOUND	KPI			
PRODUCTS	OUTBOUND			
QA	PRINT			
SYSTEM	PRODUCT			
TRANSPORT	REMOTE WHSE			
Product UOM	RE			
Order Types	SERVICES			
Whse Task Priority	SQL_JOBS			
Document References	STOCK MGT			
UDF Language Group	SYSTEM			
UDF Fields Captions			(Cold Kong	cursourreers)
UDF Procedures			(Grid Key:	SYSCONFIGUEG
Calendar Workdays				
Site License				
Devices Registry				
	Figure 17			

3.2. Auto Email Service Settings

Figure 13 shows the parameters (in red box) that are needed before Auto Email service can send out email to clients. Please consult CRISTAL WMS administrator if need be about the parameters to supply.



AutoEmail (AEServerNet) Installation Guide

System Configuration				
• System Comiguration	System Configuration			
Options	Description		EMAIL_SETTING	
System Configuration	Uescription		Configuration Description	Configuration Value
UDF Parameters	ALL		Food Foods and Consider Alex To Cond T	
BILLING	AUTHORISATION		Email - Equipment Services Alert To Send To	0
CLP	BILLING	_	Email - Recept Confirm Request	
CRM	EMAIL_SETTING		Email - Sender Email Address	
HRM	INBOUND		Email - Sender Name	
OUTBOUND	KPI		Email - Smtp Server	
PRODUCTS	OUTBOUND		Email - Smtp Server Debug	DEBUG
QA	PRINT		Email - Smtp Server Login	
SYSTEM	PRODUCT		Email - Smtp Server Password	
TRANSPORT	REMOTE WHSE		Email - Smtp Server Port	25
Product UOM	RF		Email Send Protocol - MAPI SMTP	SMTP
Order Types	SERVICES			
Whse Task Priority	SQL_JOBS			
Document References	STOCK MGT			
JDF Language Group	SYSTEM			
JDF Fields Captions				
JDF Procedures				
Calendar Workdays				
Site License				
Devices Registry				

